

IN THE CLAIMS

The pending claims are as follows:

1. (Currently Amended) A method of generating, in a media system, at least one output signal belonging to a first set of sound signals from at least one input signal belonging to a second set of sound signals having a related second set of Head Related

5 Transfer Functions, said method comprising the steps of

determining, for each signal in the second set of sound signals, a weighted relation comprising at least one signal belonging to a third set of intermediate sound signals and at least one weight value;

10 determining a first set of Head Related Transfer Functions based on the second set of sound signals, the second set of Head Related Transfer Functions and the weighted relation; and

transferring at least one signal from the third set of intermediate sound signals by means of at least one HRTF from said
15 first set of Head Related Transfer Functions in order to generate at least one output signal belonging to said first set of sound signals.

2. (Currently Amended) A method according to claim 1, characterized in the step of determining for each signal, i in the second set of sound signals determines $CH_i = \alpha_i \cdot L + \beta_i \cdot R$, wherein α_i , and β_i each is the weight value, and wherein L and R

5 each is a signal belonging to said third set of intermediate sound signals.

3. (Currently Amended) A method according to claim 1, characterized in the step of determining for each signal determines $CHI_1 = \alpha_{i1} \cdot M$ and $CHI_2 = \alpha_{i2} \cdot M$, wherein α_{i1} and α_{i2} each is the weight value, and wherein M is a signal belonging to said third set
5 of intermediate sound signals.

4. (Previously Presented) A method according to claim 1, characterized in that the media system is a TV, a CD player, a DVD player, a Radio, a display, an amplifier, a headphone or a VCR.

5. (Previously Presented) A computer system for performing the method according to claim 1.

6. (Previously Presented) A computer program product comprising program code means stored on a computer readable medium for performing the method of claim 1 when the computer program is run on a computer.

7. (Currently Amended) A media system for generating at least one output signal belonging to a first set of sound signals from at least one input signal belonging to a second set of sound signals having a related second set of Head Related Transfer Functions,
5 said media system comprising:

means for determining, for each signal in the second set of sound signals, a weighted relation comprising at least one signal belonging to a third set of intermediate sound signals and at least one weight value;

10 means for determining a first set of Head Related Transfer Functions based on the second set of sound signals, the second set of Head Related Transfer Functions and the weighted relation; and

means for transferring at least one signal from the third set of intermediate sound signals by means of at least one HRTF
15 from said first set of Head Related Transfer Functions in order to generate at least one output signal belonging to said first set of sound signals.